

Title (en)
Double jet engine inlet

Title (de)
Doppelter Einlass eines Strahltriebwerks

Title (fr)
Double l'entrée d'air d'un réacteur

Publication
EP 1243782 B2 20130710 (EN)

Application
EP 02075713 A 20020222

Priority
US 81698501 A 20010323

Abstract (en)
[origin: EP1243782A2] A dual boundary layer engine inlet for a turbofan propulsion engine of an aircraft having a first air inlet positioned generally within the boundary layer flowing around the exterior surface of the aircraft. A first passageway fluidly interconnects the first air inlet and the turbofan propulsion engine to provide air from the boundary layer to the bypass to reduce aerodynamic drag. A second air inlet is positioned generally outside of the boundary layer. This second passageway fluidly interconnecting the second air inlet and the turbofan propulsion engine to provide air outside of the boundary layer to the core and compressor of the turbofan engine to maintain engine efficiency. <IMAGE>

IPC 8 full level
F02K 1/38 (2006.01); **B64D 33/02** (2006.01); **F02C 7/04** (2006.01); **F02K 3/04** (2006.01)

CPC (source: EP US)
B64D 33/02 (2013.01 - EP US); **F02C 7/04** (2013.01 - EP US); **F02K 3/04** (2013.01 - EP US); **B64C 2039/105** (2013.01 - EP US); **B64D 2033/026** (2013.01 - EP US); **Y02T 50/10** (2013.01 - EP US)

Cited by
CN110304267A; FR2938824A1; GB2461718A; GB2485312A; CN103950542A; US2013306024A1; US2015122952A1; US9291101B2; CN109720586A; WO2008017567A1; WO2010061071A3; WO2011046580A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1243782 A2 20020925; EP 1243782 A3 20050302; EP 1243782 B1 20071114; EP 1243782 B2 20130710; AT E378508 T1 20071115; DE 60223439 D1 20071227; DE 60223439 T2 20081002; DE 60223439 T3 20131212; ES 2292685 T3 20080316; ES 2292685 T5 20131114; US 2002134886 A1 20020926; US 6527224 B2 20030304

DOCDB simple family (application)
EP 02075713 A 20020222; AT 02075713 T 20020222; DE 60223439 T 20020222; ES 02075713 T 20020222; US 81698501 A 20010323